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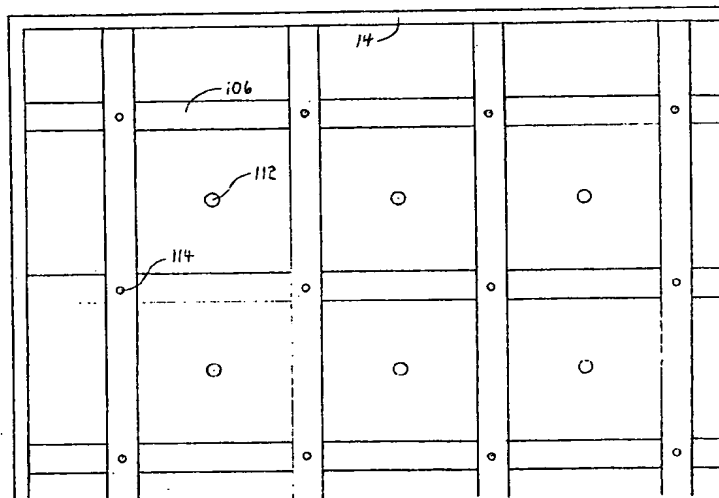
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(54) Title: **VACUUM INSULATED BUILDING PANEL**



(57) Abstract: The present invention relates to vacuum insulated building panels. The insulating building panel of this invention uses suction pressure created by a vacuum as the sole means of attachments between two parallel steel (10) or glass (12) panel plates and a post frame (14). When vacuum is applied, the plates engage the post frame in an airtight manner and spheres (112) are used as spacers to maintain separation of the plates and they roll without resistance to accommodate any movement of one plate in relation to the other. These features of the building panel eliminate warping which is caused by expansion or contraction of weather exposed faces of the panel plates due to fluctuating outside temperatures and also eliminate stress upon support structures.

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